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File Reference
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1. Security film,
 - which can be adhesively bonded to a substrate,
 - and comprises a carrier layer which contains an identification medium which causes a detectable reaction in the substrate,
 - it being possible to locally vary, in a controlled manner, the diffusion of the identification medium (3, 3', 3'') from the security film (1, 1', 1'') to the substrate (14) by means of a contactless inscription process, characterized
 - in that the security film (1) has a barrier layer (6), which is arranged between the carrier layer (4) and the substrate (14) and which, in the uninscribed state, prevents the diffusion of the identification medium (3) from the security film (1) to the substrate (14),
 - and in that the local change in the diffusion is produced by local weakening of the barrier layer (6).
2. Security film according to Claim 1, characterized in that the local weakening of the barrier layer (6) is achieved by the local action of electromagnetic radiation.
3. Security film according to Claim 2, characterized in that the local weakening of the barrier layer (6) is achieved by the local action of heat.

4. Security film according to Claim 2 or 3, characterized in that local weakening of the barrier layer (6) is achieved by local action of a laser beam (10).
5. Security film according to Claim 1, characterized in that the identification medium (3, 3', 3'') consists of a UV-fluorescent marker substance and/or an infrared marker substance and/or a magnetic marker substance and/or a dye and/or contains a substance which causes a chemical reaction in the substrate (14).
6. Security film according to Claim 5, characterized in that the identification medium (3, 3', 3'') comprises a substance which partially etches the surface of the substrate (14).
7. Security film according to Claim 1, characterized in that the carrier layer (4, 4', 4'') consists of the identification medium (3, 3', 3'').
8. Security film according to Claim 1, characterized in that the security film (1, 1') is provided with a laser-inscribable covering layer (5, 5').
9. Security film according to Claim 1, characterized in that the security film (1, 1') is arranged on a release paper (8, 8').
10. Method for inscribing a security film according to one of Claims 1 to 9 which can be adhesively bonded to a substrate, characterized
 - in that the security film (1, 1', 1'') is adhesively bonded to the substrate (14),

- and the security film (1, 1', 1'') is then inscribed by means of a contactless process, which causes local weakening of the barrier layer (6) and therefore selective diffusion of the identification medium (3, 3', 3'') from the security film (1, 1', 1'') to the substrate (14).

11. Method for inscribing a security film according to one of Claims 1 to 9 which can be adhesively bonded to a substrate, characterized

- in that the security film (1, 1', 1'') is inscribed by means of a contactless process which locally weakens the barrier layer (6) and therefore locally changes the diffusion properties of the identification medium (3, 3', 3'') in the security film (1, 1', 1''),
- and the security film (1, 1', 1'') is then adhesively bonded to a substrate (14).

12. Use of a security film according to one of Claims 1 to 9, characterized in that the security film (1, 1', 1'') is used to mark motor vehicles and/or their components and/or their devices.

13. Use of a security film according to one of Claims 1 to 9, characterized in that the substrate (14) is a vehicle paint.

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